

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number  
**WO 2005/089691 A1**

(51) International Patent Classification<sup>7</sup>: **A61G 7/10 // E01B 25/10**

(21) International Application Number: **PCT/DK2005/000114**

(22) International Filing Date: 22 February 2005 (22.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: PA 2004 00474 24 March 2004 (24.03.2004) DK

(71) Applicant (for all designated States except US): V. GULD-MANN A/S [DK/DK]; Graham Bells Vej 23A, DK-8200 Aarhus N (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LOLK, Søren [DK/DK]; Skolevej 4, DK-8362 Hørning (DK). KRISTENSEN, Henning, B. [DK/DK]; Frederiksgade 54, 1., DK-8000 Aarhus C (DK).

(74) Agent: PATRADE A/S; Fredens Torv 3A, DK-8000 Aarhus C (DK).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

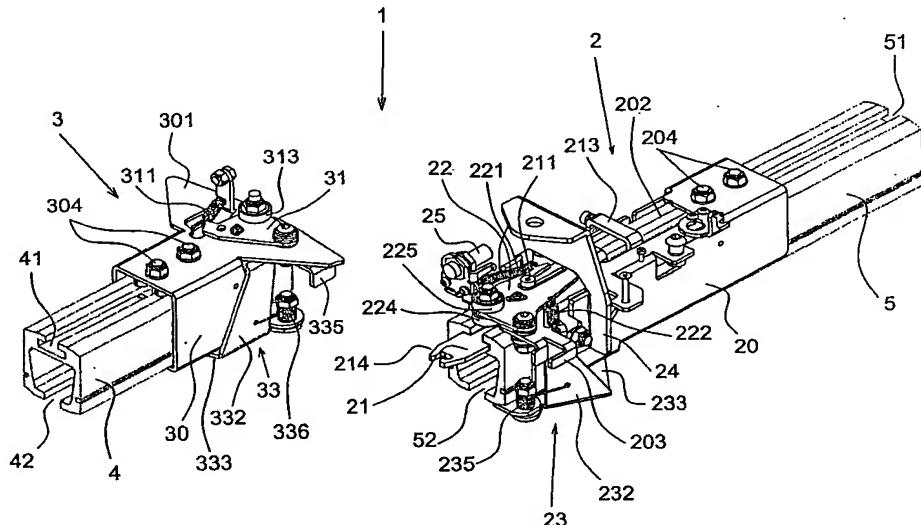
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AN INTERLOCKING COUPLING SYSTEM FOR OVERHEAD ALIGNED RAILS



(57) Abstract: The present invention relates to an interlocking coupling system (1) for overhead aligned rails (4, 5) of which at least one rail (4) is displaceably arranged and comprises a first coupling part (2) and a second coupling part (3), each of said coupling parts (2, 3) is arranged at end parts of said rails (4, 5) and arranged for interlocking, when said rails (4, 5) are in aligned position, wherein each of said coupling parts (2, 3) comprises a pivotal gate member (23, 33), and said first coupling part (23) comprises a locking bolt member (21) with a tapered end part (214) adapted to engage with a pin (334) projecting from said gate member (33) of said second coupling part (3) and said locking bolt member (21) is adapted to engage with a recess (234) in said pivotal gate member (23), and both said gate members (23, 33) are activated by displacing said locking bolt member (21).

WO 2005/089691 A1